U.S. Application No. 10/656,159

Attorney Docket No. Q77223

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended): A communication terminal apparatus mounted in a mobile

unit, comprising:

a display unit;

a communication unit;

a route information acquiring unit which acquires driving route information based on a

driving route calculated by an information center from the information center through the

communication unit;

a guiding unit which guides a route based on the driving route information acquired by

the acquiring unit;

a connection control unit for controlling a connection state between the communication

unit and an information center to make connection to the information center through the

communication unit to acquire information from the information center; and

a prediction unit for predictingwhich predicts a possibility for the mobile unit to deviate

from the driving route shown by the acquired driving route information;

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a connection control unit which controls the communication unit to start processing for

connecting to the information center when it is predicted there is a possibility for the mobile unit

to deviate from the driving route; and

a transmitting unit which transmits route calculation request information for calculating a

new driving route to the information center when the mobile unit deviates from the driving route

after the processing for connecting to the information center is started, the necessity for

connection between the communication unit and the information center,

wherein the connection control unit starts connection to the information center based on a

prediction result of the prediction unit.

(canceled).

(currently amended): A communication terminal apparatus as defined in claim 1,

wherein the prediction unit detects a driving state of [[a]] the mobile unit to monitor decide

whether or not there is a possibility that the mobile unit deviates from a driving scheduled route

and predicts the necessity for connection between the communication unit and the information

center route.

4. (currently amended): A communication terminal apparatus as defined in claim 3,

wherein detection of a driving state of [[a]] the mobile unit by the prediction unit is a comparison

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of a driving position and a driving direction of the mobile unit with a driving  $\frac{seheduled}{seheduled}$  route

shown by driving route information.

5. (currently amended): A communication terminal apparatus as defined in claim 3,

wherein-further comprising a traffic information acquiring unit which acquires traffic

 $\underline{information, and\ wherein\ } detection\ of\ a\ driving\ state\ of\ a\ mobile\ unit\ by\ the\ prediction\ unit\ is\ \underline{a}$ 

comparison of the acquired traffic information with a driving scheduled route shown by the

driving route information.

(currently amended): A connection control communication method in a

communication terminal apparatus mounted in a mobile unit, which includes the communication

terminal apparatus comprising a display unit, a communication unit, [and] a route information

acquiring unit which acquires driving route information based on a driving route calculated by an

information center from the information center through the communication unit, and a guiding

unit which guides a route based on the driving route information acquired by the acquiring unit, a

connection control unit for controlling a connection state between the communication unit and an

information center to make connection to the information center through the communication unit

to acquire information from the information center, the method comprising:

predicting a possibility for the mobile unit to deviate from the driving route shown by the

acquired driving route information.

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controlling the communication unit to start processing for connecting to the information

center when it is predicted there is a possibility for the mobile unit to deviate from the driving

route, and

transmitting route calculation request information for calculating a new driving route to

the information center when the mobile unit deviates from the driving route after the processing

for connecting to the information center is started, the necessity for connection between the

communication unit and the information center; and

starting connection to the information center based on a prediction result of the prediction

unit.

7. (currently amended): A computer program embodied on a computer readable

medium and executable on a computer, for causing [[a]] the computer to function as a mobile

unit mounted communication terminal apparatus which includes including:

a display unit,

a communication unit,

a route information acquiring unit which acquires driving route information based on a

driving route calculated by an information center from the information center through the

communication unit.

a guiding unit which guides a route based on the driving route information acquired by

the acquiring unit, a connection control unit for controlling a connection state between the

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communication unit and an information center to make connection to the information center through the communication unit to acquire information from the information center,

a prediction unit for predicting which predicts a possibility for the mobile unit to deviate

from the driving route shown by the acquired driving route information,

a connection control unit which controls the communication unit to start processing for connecting to the information center when it is predicted there is a possibility for the mobile unit to deviate from the driving route, and

a transmitting unit which transmits route calculation request information for calculating a new driving route to the information center when the mobile unit deviates from the driving route after the processing for connecting to the information center is started, the necessity for connection between the communication unit and the information center, wherein the connection control unit starts connection to the information center based on a prediction result of the prediction unit.

(new): A communication terminal apparatus as defined claim 1, wherein the
route calculation request information for calculating a new driving route includes information of
a present position after the mobile unit deviates.